

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	(speech or voice) adj recognition and input\$4 with (voice or speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:04
S2	0	S1 and chinese and english	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:04
S3	58752	(speech or voice) adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:04
S4	699	S3 and chinese and english	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:05
S5	469	S4 and compar\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:05
S6	234	S5 and speaker and microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:05
S7	150	S6 and (repeat\$3 or repetition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:07

## EAST Search History

S8	82	S7 and "704".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:56
S11	49	S8 and (translat\$3 or language adj database)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 15:56
S15	49	(US-20020086268-\$ or US-20030028378-\$ or US-20040236580-\$ or US-20040249635-\$ or US-20050080614-\$ or US-20050080625-\$ or US-20050086049-\$ or US-20050086059-\$ or US-20050119896-\$ or US-20050175970-\$ or US-20050149318-\$ or US-20050149319-\$ or US-20040030556-\$ or US-20040117189-\$ or US-20060046232-\$ or US-20050086046-\$ or US-20050119897-\$ or US-20050144001-\$ or US-20050144004-\$ or US-20050144010-\$ or US-20060200353-\$ or US-20060235696-\$ or US-20070094032-\$ or US-20030187655-\$).did. or (US-7139714-\$ or US-6427063-\$ or US-6615172-\$ or US-7158934-\$ or US-5885083-\$ or US-7050977-\$ or US-7203646-\$ or US-5540589-\$ or US-6224383-\$ or US-6134529-\$ or US-4884972-\$ or US-5393236-\$ or US-4800522-\$ or US-5218537-\$ or US-5787230-\$ or US-6154207-\$ or US-6234802-\$ or US-4468204-\$ or US-6879956-\$ or US-5717828-\$ or US-6633846-\$ or US-5730603-\$ or US-7149690-\$ or US-6067520-\$ or US-6665640-\$).did.	US-PGPUB; USPAT	OR	ON	2007/05/10 09:05

## EAST Search History

S16	49	S15 and (speech or voice adj recognition)	US-PGPUB; USPAT	OR	ON	2007/05/10 09:05
S17	47	S15 and ((speech or voice) adj recognition)	US-PGPUB; USPAT	OR	ON	2007/05/10 09:21
S18	42	S17 and microphone and speaker	US-PGPUB; USPAT	OR	ON	2007/05/10 10:23
S20	8	S18 and chinese and english	US-PGPUB; USPAT	OR	ON	2007/05/10 09:45
S22	2	"5503560".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:24
S23	2051	language adj learn\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:52
S24	86	S23 same conversation\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:52
S25	26	S24 and question and answer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:26
S26	699	foreign with language and learn\$3 and answer and question	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:26
S27	584	foreign with language and learn\$3 and answer same question	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:27

## EAST Search History

S28	196	S27 and microphone and speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:27
S29	1	10/751609	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:03
S30	43	"5634086"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:01
S31	2	"5634086".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:01
S32	31218	speech adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 07:34
S35	0	S32 and (practice same translation ) and (store\$1 same (result or level) same user) and priority same error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 07:36
S36	1	S32 and (practice same translat\$3) and (store\$1 same (result or level) same user) and priority same error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 07:37

## EAST Search History

S37	35	S32 and (practice same translats\$3) and (store\$1 same (result or level) same user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 07:41
S38	18	S32 and (translat\$3 same (first same second) adj (speech or langauge))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 07:42
S39	1761	translat\$3 same (user or student) same play\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 08:10
S40	0	translat\$3 same (user or student) same (play\$3 with (source and target) adj language)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 08:10
S41	2	translat\$3 same (play\$3 with (source and target) adj language)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 08:13
S42	849	translat\$3 same (source and target) adj language	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 08:13
S43	90	S42 and speech adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 08:14

## EAST Search History

S44	9	("20010035829"   "4446494"   "4965819"   "5384701"   "5426706"   "5724526"   "5884256"   "6219646"   "6434518").PN. OR ("7069222").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 08:37
S45	460	language adj learn\$3 and transl\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 08:43
S46	25	S45 and (target and source) with (play\$4 or output)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 08:44
S48	292	foreign and language adj (learn\$3 or tutor or module) and transl\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 08:44
S49	21	S48 and (target and source) with (play\$4 or output)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 09:05
S51	1	"4170834".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 09:05
S52	238284	("5" or five) adj (sec or second or seconds)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:10
S53	23815	S52 and transl\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:10
S54	363	S53 and speech adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:10
S55	190	((("5" or five) adj (sec or second or seconds)) same user adj input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:10

## EAST Search History

S56	26	S55 and translat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:10
S57	0	repeat same (no adj (voice or speech)) same (("5" or five) adj second\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:34
S58	0	repeat same (no adj (voice or speech)) same (("5" or five) adj sec)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:34
S59	12	repeat same (no adj (voice or speech)) same (period)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:50
S60	0	language adj learn\$3 same long with (length or time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:51
S61	34	language same long with (length or time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:07
S62	32	(target adj language) same (source adj language) same play\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:16

## EAST Search History

S63	0	(source adj language) same (foreign adj language) same play\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:17
S64	144	(foreign adj language) same play\$4 same translat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:18
S65	57	S64 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:18
S67	2	"4170834".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 09:12
S70	378457	repeat same (prompt or message) same (no adj user adj (input or voice)) and speech recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 09:40
S71	533	S70 and language adj learn\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 09:39
S72	1	repeat same (prompt or message) same (no adj user adj (input or voice)) and speech adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 09:41



## EAST Search History

S73	2	repeat same (prompt or message) same (no adj user adj (input or voice)) and (speech or voice) adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 09:50
S74	2	"5634086".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:07
S75	2	"20040215445"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:39
S76	39616	number same time same (practice\$1 or (try or tries) or attempt\$1) same (reference or store)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:41
S77	39616	number same time same (practice\$1 or tries or attempt\$1) same (reference or store)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:41
S78	537	S77 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:42
S79	114	S78 and language	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:42

## EAST Search History

S80	0	language same lesson same repeat same practice adj time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:10
S81	19	language same lesson same repeat same time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:12
S83	4	language and feedback and grad\$3 and repeat with lesson with (time or attempt or times or error or fail\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:13
S84	1	language with learn\$3 and (lesson with duration) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:57
S85	1	language and (lesson with duration) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:57
S86	0	language and (lesson with length with user) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:57
S87	0	language and (lesson with user with complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:59

## EAST Search History

S88	0	language and (lesson with complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:59
S89	1229	language and (complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:59
S90	685	languageadj learn\$3 and (complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:00
S91	1	language adj learn\$3 and (complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:01
S92	38	language with learn\$3 and (complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:06
S93	77	language same (complet\$4 with time) same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:09
S94	6	S93 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:07

## EAST Search History

S95	25	user with tak\$3 with long with time same priority	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:46
S96	0	user with tak\$3 with long with time same priority and language same lesson	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:47
S99	1	(user or student or learner or individual) same long with time same priority and language same lesson	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:55
S10 2	6	(user or student or learner or individual) with time same ((repeat or access) adj lesson) and language	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 12:56
S10 3	61	repeat adj (lesson or course) same (length or time or duration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:05
S10 4	0	replay adj (lesson or course) same (length or timing or duration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:05
S10 5	4119	load with (lesson or course) same (length or timing or duration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:07

## EAST Search History

S10 6	8	S105 and ("434" or "704").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:07
S10 7	337862	(lesson or course) same (length or timing or duration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:07
S10 8	2346	S107 and ("434" or "704").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:08
S10 9	205	S108 and speech adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:15
S11 0	72	lesson adj time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:16
S11 1	27	S110 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:22
S11 4	5	lesson adj duration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:24

## EAST Search History

S11 5	3032	test adj duration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:29
S11 7	17	S115 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:29
S11 8	20840	test adj time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:29
S11 9	175	S118 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:29
S12 0	33	language adj learning same (grade or result) with output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 15:06
S12 1	2	language adj learning same (grade or score) with output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 15:06
S12 2	24	language adj learning and (grade or score) with output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 15:10

## EAST Search History

S12 3	922	("704" or "434").clas. and (grade or score) with output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 15:15
S12 4	325	language adj learning and (grade or score)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 15:16
S12 5	200	S124 and ("704" or "434").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 15:16
S12 6	2	"5634086".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 08:15